

What is claimed is:

1. A system for appendage elevation comprising:

- not correct -*
plus
- 13*
a first base;
- 14*
a second base adapted to be supported between *(opposing surfaces)* *onto* *funct.*
- 28*
a support assembly having a first end and a second end;
- 32*
a hook, operably attached near said first end of said support assembly;
- 34* *36* *38*
a connector having a first end and a second end, said first end of said connector being
- Fig 3*
operably attached to said second end of said support assembly, and said second end of said connector being removably insertable into said first base and said second base;
- 54*
a sling assembly; and
- 68 (Ring)*
a means for removably attaching said sling assembly to said hook.

2. The system according to Claim 1 wherein said first base comprises:

- 15*
a weighted portion adapted to rest on a flat surface; and
- a first base attachment member having a first end and a second end, said first end of said first base attachment member being operably attached to and extending from said weighted portion such that said first base attachment member is supported by said weighted portion, and second end of said first base attachment member defining a hollow space to receive said second end of said connector.

3. The system according to Claim 2 wherein said second base comprises:

- 14*
a horizontal frame of a generally planar shape; and

a second base attachment member having a first end and a second end, said first end of said second base attachment member being operably connected to and extending from said horizontal frame such that said horizontal frame supports said second base attachment member, said second end of said second base attachment member having an opening to receive said second end of said connector.

4. The system according to Claim 2 wherein said second base comprises:

a horizontal frame having a first end and a second end,

said first end of said horizontal frame being adapted to be supported between two opposing surfaces, and said second end of said horizontal frame defining a first pair of opposing apertures;

¹⁰² a T-connector having a base portion and a perpendicular portion, said base portion of said

T-connector being adapted to allow insertion of said second end of said horizontal frame such that said T-connector rotates freely about said horizontal frame, and said base portion of said T-connector defining a second pair of opposing apertures adapted such that said second pair of opposing apertures can be aligned with said first pair of opposing apertures in said horizontal frame, said perpendicular portion of said T-connector

¹¹² defining a hollow space to receive said second end of said connector; and a pin adapted to slide into and pass through said first pair of opposing apertures in said horizontal frame and said second pair of opposing apertures in said base portion of said T-connector to secure said T-connector in a desired position relative to said horizontal frame.

5. The system according to Claim 1 wherein said second base comprises:

a horizontal frame of a generally planar shape; and

a second base attachment member having a first end and a second end, said first end of said second base attachment member being operably attached to and extending from said horizontal frame such that said horizontal frame supports said second base attachment member, said second end of said second base attachment member having an opening to receive said second end of said connector.

6. The system according to Claim 1 wherein said second base comprises:

a horizontal frame having a first end and a second end,

said first end of said horizontal frame being adapted to be supported between two opposing surfaces, and said second end of said horizontal frame defining a first pair of opposing apertures;

a T-connector having a base portion and a perpendicular portion, said base portion of said T-connector being adapted to allow insertion of said second end of said horizontal frame such that said T-connector rotates freely about said horizontal frame, and said base portion of said T-connector defining a second pair of opposing apertures adapted such that said second pair of opposing apertures can be aligned with said first pair of opposing apertures in said horizontal frame, said perpendicular portion of said T-connector defining a hollow space to receive said second end of said connector; and
a pin adapted to slide into and pass through said first pair of opposing apertures in said horizontal frame and said second pair of opposing apertures in said

base portion of said T-connector to secure said T-connector in a desired position relative to said horizontal frame.

7. The system according to Claim 1, wherein said support assembly comprises:

a first support section having a first end and a second end;

a second support section having a first end and a second end, said first end of said second

support section being telescopically insertable into said second end of said first support section; and

a means to selectively secure said first end of said second support section in a telescopic fashion relative to said second end of said first support section.

8. The system according to Claim 7 wherein said means to selectively secure said first end of said second support section in a telescopic fashion relative to said second end of said first support section is a clamping device.

9. The system according to Claim 7 such that said system is adjustable in elevation by moving said first support section in a telescopic fashion relative to said second support section.

10. The system according to Claim 1 wherein said second end of said connector defines a substantially hollow area.

11. The system according to Claim 10 wherein said second end of said connector comprises:

a first groove originating at said second end of said connector and extending into

said connector in a longitudinal fashion relative to said support assembly; and

a second ⁴⁴groove originating at said second end of said connector and extending into said connector, substantially parallel to said first groove and in a longitudinal fashion relative to said support assembly.

12. The system according to Claim 11 wherein said first groove and said second groove define a ⁴⁶tongue having a first end and a second end, said first end of said tongue being attached to said second end of said connector, said second end of said tongue being moveable between a normal position wherein said tongue is substantially aligned with said second end of said connector and a tensioned position wherein said tongue is moved into said substantially hollow area of said second end of said connector, said tongue being biased towards said normal position, and said tongue being adapted to frictionally engage an inside surface of said first base or an inside surface of said second base.

13. The system according to Claim 12 wherein said tongue further comprises a raised portion ⁵²near said second end of said tongue, said raised portion being adapted to frictionally engage said inside surface of said first base or said inside surface of said second base when said tongue is released from said tensioned position thereby allowing said raised portion of said tongue to contact said inside surface of said first base or said inside surface of said second base when said connector is inserted into said first base or said second base.

14. The system according to Claim 1 wherein said sling assembly is a substantially L-shaped envelope for receiving an arm in a generally ninety degree angle at an elbow with a hand and a lower arm in a generally vertical position, the elbow positioned lower than the hand, and an upper arm in a substantially horizontal position, said L-shaped envelope having a hand end where the hand protrudes from said L-shaped envelope and an upper arm end.

15. The system according to Claim 14 wherein said sling assembly is adapted such that said means for removably attaching said sling assembly to said hook is positioned near said hand end of said L-shaped envelope such that the arm is suspended at a ninety degree angle with the lower arm generally parallel to said support assembly and the upper arm generally perpendicular to said support assembly.

16. The system according to Claim 1 wherein said sling assembly comprises a first outer side covered in looped fabric and a second outer side covered in looped fabric.

17. The system according to Claim 16 wherein said means for removably attaching said sling assembly to said hook comprises:

a ring;

a first strap of fabric-engaging hooks having a first end and

a second end, said first end of said first strap being attached to said ring
and said second end of said first strap being removably attached to the first
outer side of said sling assembly; and

a second strap of fabric-engaging hooks and having a first end and a
second end, said first end of said second strap being attached to said
ring and said second end of said second strap being removably attached to
the second outer side of said sling assembly.

18. The system of to Claim 1 such that said system is adjustable in elevation by positioning said means for removably attaching said sling assembly to said hook in various places relative to said sling assembly.

19. The system of Claim 1 wherein said straight support assembly is interchangeable between said first base and said second base.

20. A system for appendage elevation comprising:

(a first base adapted to rest on a flat surface;

a first base attachment member having a first end and a second end, said first end

of said first base attachment member being operably attached to and extending

from said first base such that said first base attachment member is supported by

said first base, said second end of said first base attachment member defining a

hollow space;

a generally planar horizontal frame adapted to be supported between opposing

surfaces;

(a second base attachment member having a first end and a second end, said first

end of said second base attachment member being operably attached to and

extending from said horizontal frame such that said horizontal frame supports said

second base attachment member, said second end of said second base attachment

member defining a hollow space;

a support assembly having a first end and a second end;

a hook, operably attached near said first end of said support assembly;

a connector having a first end and a second end, said first end of said connector being

operably attached to said second end of said support assembly, said second end

of said connector being removably insertable into said first base or said second

base, and said second end of said connector defining a hollow space;

a first groove originating at said second end of said connector and extending into
said connector in a longitudinal fashion relative to said support assembly;

a second groove originating at said second end of said connector and extending into said
connector, substantially parallel to said first groove and in a
longitudinal fashion relative to said support assembly;

→ a tongue formed between said first groove and said second groove, said tongue having a
first end and a second end, said first end of said tongue being attached to said
second end of said connector, said second end of said tongue being moveable
between a normal position wherein said tongue is substantially aligned with said
second end of said connector and a tensioned position wherein said tongue is
moved into said substantially hollow area of said second end of said connector,
said tongue being biased towards said normal position, and said tongue being
adapted to frictionally engage an inside surface of said first base or an inside
surface of said second base;

a sling assembly having a first outer side covered in looped fabric and a second outer side
covered in looped fabric;

a ring adapted to be placed on said hook;

a first strap of fabric-engaging hooks having a first end and a second end, said first end of
said first strap being attached to said ring and said second end of said first strap
being removably attached to the first outer side of said sling assembly; and

a second strap of fabric-engaging hooks and having a first end and a
second end, said first end of said second strap being attached to said

ring and said second end of said second strap being removably attached to the second outer side of said sling assembly.

21. The system according to Claim 20 wherein said support assembly comprises:

a first support section having a first end and a second end;

a second support section having a first end and a second end, said first end of said second support section being telescopically insertable into said second end of said first support section; and

a means to selectively secure said first end of said second support section in a telescopic fashion relative to said second end of said first support section.

22. The system according to Claim 21 wherein said means to selectively secure said first end of said second support section in a telescopic fashion relative to said second end of said first support section is a clamping device.

23. The system according to Claim 20 wherein said tongue further comprises a raised portion near said second end of said tongue, said raised portion being adapted to frictionally engage said inside surface of said first base or said inside surface of said second base when said tongue is released from said tensioned position thereby allowing said raised portion of said tongue to contact said inside surface of said first base or said inside surface of said second base when said connector is inserted into said first base or said second base.

24. A system for appendage elevation comprising:

a first base adapted to rest on a flat surface;

a first base attachment member having a first end and a second end, said first end of said first base attachment member being operably attached to and extending from said first base such that said first base attachment member is supported by said first base, said second end of said first base attachment member defining a hollow space;

a horizontal frame having a first end and a second end, said first end of said horizontal frame being adapted to be supported between opposing surfaces, and said second end of said horizontal frame defining a first pair of opposing apertures;

a T-connector having a base portion and a perpendicular portion, said base portion of said T-connector being adapted to allow insertion of said second end of said horizontal frame such that said T-connector rotates freely about said horizontal frame, and said base portion of said T-connector defining a second pair of opposing apertures adapted such that said second pair of opposing apertures can be aligned with said first pair of opposing apertures in said horizontal frame, said perpendicular portion of said T-connector defining a hollow space to receive said second end of said connector; and

a pin adapted to slide into and pass through said first pair of opposing apertures in said horizontal frame and said second pair of opposing apertures in said base portion of said T-connector to secure said T-connector in a desired position relative to said horizontal frame;

a support assembly having a first end and a second end;

a hook, operably attached near said first end of said support assembly;

a connector having a first end and a second end, said first end operably attached to

said second end of said support assembly, and said second end
being removably insertable into said first base or said second base;
a sling assembly having a first outer side covered in looped fabric and a second outer side
covered in looped fabric;
a ring adapted to be placed on said hook;
a first strap of fabric-engaging hooks having a first end and
a second end, said first end of said first strap being attached to said ring
and said second end of said first strap being removably attached to the first
outer side of said sling assembly; and
a second strap of fabric-engaging hooks and having a first end and a
second end, said first end of said second strap being attached to said
ring and said second end of said second strap being removably attached to
the second outer side of said sling assembly.

25. The system according to Claim 24 wherein said support assembly comprises:

a first support section having a first end and a second end;
a second support section having a first end and a second end, said first end of said second
support section being telescopically insertable into said second end of said first
support section; and
a means to selectively secure said first end of said second support section in a
telescopic fashion relative to said second end of said first support section.

26. The system according to Claim 25 wherein said means to selectively secure said first end of said second support section in a telescopic fashion relative to said second end of said first support section is a clamping device.

27. The system according to Claim 24 wherein said second end of said connector comprises:
a first groove originating at said second end of said connector and extending into said connector in a longitudinal fashion relative to said support assembly; and
a second groove originating at said second end of said connector and extending into said connector, substantially parallel to said first groove and in a longitudinal fashion relative to said support assembly.

28. The system according to Claim 27 wherein said first groove and said second groove define a tongue having a first end and a second end, said first end of said tongue being attached to said second end of said connector, said second end of said tongue being moveable between a normal position wherein said tongue is substantially aligned with said second end of said connector and a tensioned position wherein said tongue is moved into said substantially hollow area of said second end of said connector, said tongue being biased towards said normal position, and said tongue being adapted to frictionally engage an inside surface of said first base or an inside surface of said second base.

29. The system according to Claim 28 wherein said tongue further comprises a raised portion near said second end of said tongue, said raised portion being adapted to frictionally engage said inside surface of said first base or said inside surface of said second base when said tongue is released from said tensioned position thereby allowing said raised portion of said tongue to

~~surface on
into said~~

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